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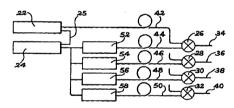


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(54) Title: PRODUCTION OF MICROWAVE TRANSMITTERS AND APPLICATIONS TO RADAR AND TELECOMMUNICATIONS

(54) Titre: REALISATION D'EMETTEURS HYPERFREQUENCES ET APPLICATIONS AUX RADARS ET AUX TELECOMMUNICATIONS



(57) Abstract

The invention concerns a microwave transmitting device, comprising: at least first and second microlasers (22, 24), emitting at two different frequencies u and us; means automatically controlling the first and second microlaser frequency; a matrix of Nelements (N ≥ 2) (52, 54, 56, 58) arranged on the path of the second laser beam, each element enabling to impose a phase delay on the beam passing through it N means (26, 28, 30, 32) for mixing the beam emitted by the first laser and each of the N delayed beams, and for producing N signals of frequency ur—us; N means (34, 36, 34, 40) forming an antenna for emitting a radiation at frequency ur—us; N means (34, 36, 34, 40) forming an antenna for emitting a radiation at frequency ur—us; N means (34, 36, 34, 40) forming an antenna for emitting a radiation at frequency ur—us; N means (34, 36, 34, 40) forming an antenna for emitting a radiation at frequency ur—us.

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